(FILE 'HOME' ENTERED AT 13:06:57 ON 20 JUL 2007)

FILE 'MEDLINE, CAPLUS, EMBASE, BIOTECHDS, SCISEARCH, BIOSIS' ENTERED AT 13:07:25 ON 20 JUL 2007

L1 69 S L762P OR L550S OR L587S OR L984P OR L552S OR L763P
L2 42 DUP REM L1 (27 DUPLICATES REMOVED)
L3 2 S L1 AND (MRNA EXPRESSION)
L4 42 S L1 AND (AMPLIFICATION OR PCR OR HYBRIDIZATION OR LCR OR SDA O
L5 31 DUP REM L4 (11 DUPLICATES REMOVED)

=> d ti l5 1-31

L5 ANSWER 1 OF 31 CAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 1
TI Sequences of human lung cancer markers and uses in diagnosis and monitoring the progression of lung cancer

L5 ANSWER 2 OF 31 BIOTECHDS COPYRIGHT 2007 THE THOMSON CORP. on STN
TI In vitro diagnosing a predisposition to Long QT Syndrome or full-blown Long QT Syndrome, comprises the detection in a DNA sample of a group of mutations in KVLQT1, KCNH2 and SCN5A genes;
gene mutation identification using polymerase chain reaction and direct sequencing for disease diagnosis

L5 ANSWER 3 OF 31 MEDLINE on STN DUPLICATE 2
TI Multigene real-time PCR detection of circulating tumor cells in peripheral blood of lung cancer patients.

L5 ANSWER 4 OF 31 CAPLUS COPYRIGHT 2007 ACS on STN
TI Immunogenic polypeptides, polynucleotides, antibodies and antigen-presenting cells expressing them for diagnosis and therapy of lung cancer

L5 ANSWER 5 OF 31 CAPLUS COPYRIGHT 2007 ACS on STN
TI Human nucleic acid and expressed protein compositions and methods for the therapy and diagnosis of lung cancer

L5 ANSWER 6 OF 31 CAPLUS COPYRIGHT 2007 ACS on STN
TI Human nucleic acid and expressed protein compositions and methods for the therapy and diagnosis of lung cancer

L5 ANSWER 7 OF 31 CAPLUS COPYRIGHT 2007 ACS on STN
TI nucleotide sequences of human lung cancer genes and methods for diagnosis and monitoring the progression of lung cancer

L5 ANSWER 8 OF 31 CAPLUS COPYRIGHT 2007 ACS on STN
TI Human nucleic acid and expressed protein compositions and methods for the therapy and diagnosis of lung cancer

L5 ANSWER 9 OF 31 CAPLUS COPYRIGHT 2007 ACS on STN
TI Lung tumor proteins, polynucleotides and antibodies for lung cancer therapy and diagnosis

L5 ANSWER 10 OF 31 CAPLUS COPYRIGHT 2007 ACS on STN
TI Human nucleic acid and expressed protein compositions and methods for the therapy and diagnosis of lung cancer

L5 ANSWER 11 OF 31 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on STN
TI Detection of circulating tumor cells in peripheral blood of lung cancer patients using a multiplex real-time RT-PCR assay for L762P, L550S, L587S, and L984P.

L5 ANSWER 12 OF 31 CAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 3
TI Human nucleic acid and expressed protein compositions and methods for the

therapy and diagnosis of lung cancer

L5 ANSWER 13 OF 31 CAPLUS COPYRIGHT 2007 ACS on STN
TI Human nucleic acid and expressed protein compositions and methods for the therapy and diagnosis of lung cancer

L5 ANSWER 14 OF 31 CAPLUS COPYRIGHT 2007 ACS on STN
TI Human nucleic acid and expressed protein compositions and methods for the therapy and diagnosis of lung cancer

L5 ANSWER 15 OF 31 CAPLUS COPYRIGHT 2007 ACS on STN
TI Lung cancer antigens and cDNAs encoding them and their diagnostic, prophylactic and therapeutic uses

L5 ANSWER 16 OF 31 CAPLUS COPYRIGHT 2007 ACS on STN
TI Lung cancer antigens and cDNAs encoding them and their diagnostic prophylactic and therapeutic uses

L5 ANSWER 17 OF 31 CAPLUS COPYRIGHT 2007 ACS on STN
TI Human nucleic acid and expressed protein compositions and methods for the therapy and diagnosis of lung cancer

L5 ANSWER 18 OF 31 CAPLUS COPYRIGHT 2007 ACS on STN
TI Lung carcinoma-derived polypeptides, polynucleotides, probes and primers, and antibodies for cancer therapy and diagnosis

L5 ANSWER 19 OF 31 CAPLUS COPYRIGHT 2007 ACS on STN
TI Human nucleic acid and expressed protein compositions and methods for the therapy and diagnosis of lung cancer

L5 ANSWER 20 OF 31 CAPLUS COPYRIGHT 2007 ACS on STN
TI Human nucleic acid and expressed protein compositions and methods for the therapy and diagnosis of lung cancer

L5 ANSWER 21 OF 31 CAPLUS COPYRIGHT 2007 ACS on STN
TI Human nucleic acid and expressed protein compositions and methods for the therapy and diagnosis of lung cancer

L5 ANSWER 22 OF 31 CAPLUS COPYRIGHT 2007 ACS on STN
TI Lung tumor proteins, polynucleotides and antibodies for therapy and diagnosis of lung cancer

L5 ANSWER 23 OF 31 CAPLUS COPYRIGHT 2007 ACS on STN
TI Lung tumor polypeptides, polynucleotides, and antibodies for therapy and diagnosis of lung cancer

L5 ANSWER 24 OF 31 CAPLUS COPYRIGHT 2007 ACS on STN
TI Expressed sequence profiles and their use for the therapy and diagnosis of human lung cancer

L5 ANSWER 25 OF 31 CAPLUS COPYRIGHT 2007 ACS on STN
TI Human nucleic acid and expressed protein compositions and methods for the therapy and diagnosis of lung cancer

L5 ANSWER 26 OF 31 CAPLUS COPYRIGHT 2007 ACS on STN
TI Lung tumor associated proteins and cDNAs and compositions and methods for therapy and diagnosis of lung cancer

L5 ANSWER 27 OF 31 CAPLUS COPYRIGHT 2007 ACS on STN
TI Expressed sequence profiles and their use for the therapy and diagnosis of human lung cancer

L5 ANSWER 28 OF 31 CAPLUS COPYRIGHT 2007 ACS on STN
TI Differentially expressed sequences and proteins for use in the therapy and

diagnosis of human lung cancer

L5 ANSWER 29 OF 31 CAPLUS COPYRIGHT 2007 ACS on STN
TI Lung tumor-specific antigen, chimeric antigens, polynucleotides, and antibodies for therapy and diagnosis of lung cancer

L5 ANSWER 30 OF 31 CAPLUS COPYRIGHT 2007 ACS on STN
TI Lung tumor proteins, polynucleotides and antibodies for therapy and diagnosis of lung cancer

L5 ANSWER 31 OF 31 MEDLINE on STN DUPLICATE 4
TI L552S, an alternatively spliced isoform of XAGE-1, is over-expressed in lung adenocarcinoma.

The following terms were not found: L762P, L984P, L763P.
See Details.

About Entrez
Text Version
Entrez PubMed
Overview
Help | FAQ
Tutorials
New/Noteworthy
E-Utilities
PubMed Services
Journals Database
MeSH Database
Single Citation Matcher
Batch Citation Matcher
Clinical Queries
Special Queries
LinkOut
My NCBI
Related Resources
Order Documents
NLM Mobile
NLM Catalog
NLM Gateway
TOXNET
Consumer Health
Clinical Alerts
ClinicalTrials.gov
PubMed Central

☐ **1:** Lehtonen A, Fodstad H, Laitinen-Forsblom P, Toivonen L, Kontula K, Swan H. Related Articles, Links

Further evidence of inherited long QT syndrome gene mutations in antiarrhythmic drug-associated torsades de pointes.
Heart Rhythm. 2007 May;4(5):603-7. Epub 2007 Jan 18.
PMID: 17467628 [PubMed - in process]

☐ **2:** Hayes DC, Secrist H, Bangur CS, Wang T, Zhang X, Harlan D, Goodman GE, Houghton RL, Persing DH, Zehentner BK. Related Articles, Links

Multigene real-time PCR detection of circulating tumor cells in peripheral blood of lung cancer patients.
Anticancer Res. 2006 Mar-Apr;26(2B):1567-75.
PMID: 16619573 [PubMed - indexed for MEDLINE]

☐ **3:** Watanabe Y, LePage S, Elliott M, Secrist H, Tanaka T, Kawahara M, Matsumura A, Hosoe S, Ogawara M, Okada M, Repasky B, Sleath P, Wang T, Henderson R. Related Articles, Links

Characterization of preexisting humoral immunity specific for two cancer-testis antigens overexpressed at the mRNA level in non-small cell lung cancer.
Cancer Immun. 2006 Feb 10;6:3.
PMID: 16468707 [PubMed - indexed for MEDLINE]

☐ **4:** Fodstad H, Swan H, Laitinen P, Piippo K, Paavonen K, Viitasalo M, Toivonen L, Kontula K. Related Articles, Links

Four potassium channel mutations account for 73% of the genetic spectrum underlying long-QT syndrome (LQTS) and provide evidence for a strong founder effect in Finland.
Ann Med. 2004;36 Suppl 1:53-63.
PMID: 15176425 [PubMed - indexed for MEDLINE]

☑ **5:** Wang T, Fan L, Watanabe Y, McNeill P, Fanger GR, Persing DH, Reed SG. Related Articles, Links

L552S, an alternatively spliced isoform of XAGE-1, is over-expressed in lung adenocarcinoma.
Oncogene. 2001 Nov 22;20(53):7699-709.
PMID: 11753648 [PubMed - indexed for MEDLINE]

☐ **6:** Piippo K, Laitinen P, Swan H, Toivonen L, Viitasalo M, Pasternack M, Paavonen K, Chapman H, Wann KT, Hirvela E, Sajantila A, Kontula K. Related Articles, Links

Homozygosity for a HERG potassium channel mutation causes a severe form of long QT syndrome: identification of an apparent founder mutation in the Finns.
J Am Coll Cardiol. 2000 Jun;35(7):1919-25.
PMID: 10841244 [PubMed - indexed for MEDLINE]

☑ **7:** Giannoukos G, Silverstein AM, Pratt WB, Simons SS Jr. Related Articles, Links

The seven amino acids (547-553) of rat glucocorticoid receptor required for steroid and hsp90 binding contain a functionally independent LXXLL motif that is critical for steroid binding.

J Biol Chem. 1999 Dec 17;274(51):36527-36.
PMID: 10593951 [PubMed - indexed for MEDLINE]

<!--StartFragment-->ABU66467

ID ABU66467 standard; protein; 236 AA.

XX

AC ABU66467;

XX

DT 22-MAY-2003 (first entry)

XX

DE Lung cancer therapyand diagnosis associated protein #91.

XX

KW Lung cancer; cytostatic; vaccine; gene therapy; cancer.

XX

OS Homo sapiens.

XX

PN US2002172952-A1.

XX

PD 21-NOV-2002.

XX

PF 10-JUL-2001; 2001US-00902941.

XX

PR 30-JUN-1999; 99US-00346492.
PR 15-OCT-1999; 99US-00419356.
PR 17-DEC-1999; 99US-00466867.
PR 30-DEC-1999; 99US-00476300.
PR 06-MAR-2000; 2000US-00519642.
PR 22-MAR-2000; 2000US-00533077.
PR 10-APR-2000; 2000US-00546259.
PR 27-APR-2000; 2000US-00560406.
PR 05-JUN-2000; 2000US-00589184.
PR 11-JUL-2000; 2000US-00614124.
PR 29-AUG-2000; 2000US-00651563.
PR 08-SEP-2000; 2000US-00658824.
PR 26-SEP-2000; 2000US-00671325.
PR 06-OCT-2000; 2000US-00677419.
PR 30-OCT-2000; 2000US-00702705.
PR 13-DEC-2000; 2000US-00736457.
PR 03-MAY-2001; 2001US-00849626.

XX

PA (CORI-) CORIXA CORP.

XX

PI Henderson RA, Wang T, Watanabe Y, Johnson JC, Retter MW;
PI Durham M, Carter D, Fanger GR, Vedvick TS, Bangur CS, Mcnabb A;

XX

DR WPI; 2003-328427/31.

XX

PT New polynucleotide, useful for preparing a composition for treating or
PT inhibiting development of cancer, e.g. lung cancer.

XX

PS Example 9; SEQID NO 1871; 82pp; English.

XX

CC The invention describes an isolated polynucleotide comprising one of 32
CC sequences, complement or degenerate variants of them. The polynucleotide
CC is useful for preparing a composition e.g. a vaccine or for gene therapy,
CC for treating or inhibiting development of cancer, e.g. lung cancer. This
CC sequence represents a polypeptide associated with the compositions and
CC methods for the therapy and diagnosis of lung cancer

XX

SQ Sequence 236 AA;

Query Match 100.0%; Score 1201; DB 6; Length 236;
Best Local Similarity 100.0%; Pred. No. 8.3e-111;
Matches 236; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy          1 MESSAKMESGGAGQQPQPQPQQPFLPPAACFFATAAAAAAAAAAAAAAQSAQQQQQQQQQQ 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MESSAKMESGGAGQQPQPQPQQPFLPPAACFFATAAAAAAAAAAAAAAQSAQQQQQQQQQQ 60

Qy         61 QQAPQLRPAADGQPSGGGHKSAPKQVKRQRSSSPELMRCKRRLNFSGFGYSLPQQQPAAV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 QQAPQLRPAADGQPSGGGHKSAPKQVKRQRSSSPELMRCKRRLNFSGFGYSLPQQQPAAV 120
```

```
Qy        121 ARRNERERNRVKLVNLGFATLREHVPNGAANKKMSKVETLRSAVEYIRALQQLLDEHDAV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 ARRNERERNRVKLVNLGFATLREHVPNGAANKKMSKVETLRSAVEYIRALQQLLDEHDAV 180

Qy        181 SAAFQAGVLSPTISPNYSNDLNSMAGSPVSSYSSDEGSYDPLSPEEQELLDFTNWF 236
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 SAAFQAGVLSPTISPNYSNDLNSMAGSPVSSYSSDEGSYDPLSPEEQELLDFTNWF 236
```

<!--EndFragment-->

<!--StartFragment-->-895-828-453
; Sequence 453, Application US/09895828
; Patent No. US20020099012A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Carter, Darrick
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.539
; CURRENT APPLICATION NUMBER: US/09/895,828
; CURRENT FILING DATE: 2001-06-28
; NUMBER OF SEQ ID NOS: 473
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 453
; LENGTH: 2257
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-895-828-453

Query Match 100.0%; Score 2256.6; DB 3; Length 2257;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2257; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy          1 ATTTTGCTTACAGAGTCCCGTCTCACCATCCTGGGCTTCCAACGGAGACTGCGGTATCCG 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 ATTTTGCTTACAGAGTCCCGTCTCACCATCCTGGGCTTCCAACGGAGACTGCGGTATCCG 60

Qy         61 CGGCTGGAGACCCAGCGGCGAGTAGCCTTTTGCTCCCGGACGGACTTGAGAGGCTTAAAG 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 CGGCTGGAGACCCAGCGGCGAGTAGCCTTTTGCTCCCGGACGGACTTGAGAGGCTTAAAG 120

Qy        121 GATGGCCTCGTCAGATCTGGAACAATTATGCTCTCATGTTAATGAAAAGATTGGCAATAT 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 GATGGCCTCGTCAGATCTGGAACAATTATGCTCTCATGTTAATGAAAAGATTGGCAATAT 180

Qy        181 TAAGAAAACCTTATCATTAAGAAACTGTGGCCAGGAACCTACCTTGAAAACTGTATTAAA 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 TAAGAAAACCTTATCATTAAGAAACTGTGGCCAGGAACCTACCTTGAAAACTGTATTAAA 240

Qy        241 TAAAATAGGAGATGAGATCATTGTAATAAATGAACTTCTAAATAAATTGGAATTGGAAAT 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 TAAAATAGGAGATGAGATCATTGTAATAAATGAACTTCTAAATAAATTGGAATTGGAAAT 300

Qy        301 TCAGTATCAAGAACAAACCAACAATTCACTCAAGGAACTCTGTGAATCTCTTGAAGAAGA 360
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 TCAGTATCAAGAACAAACCAACAATTCACTCAAGGAACTCTGTGAATCTCTTGAAGAAGA 360

Qy        361 TTACAAAGACATAGAACATCTTAAAGAAAACGTTCCTTCCCATTTGCCTCAAGTAACAGT 420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        361 TTACAAAGACATAGAACATCTTAAAGAAAACGTTCCTTCCCATTTGCCTCAAGTAACAGT 420

Qy        421 AACCCAGAGCTGTGTTAAGGGATCAGATCTTGATCCTGAAGAACCAATCAAAGTTGAAGA 480
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        421 AACCCAGAGCTGTGTTAAGGGATCAGATCTTGATCCTGAAGAACCAATCAAAGTTGAAGA 480

Qy        481 ACCTGAACCCGTAAAGAAGCCTCCCAAAGAGCAAAGAAGTATTAAGGAAATGCCATTTAT 540
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        481 ACCTGAACCCGTAAAGAAGCCTCCCAAAGAGCAAAGAAGTATTAAGGAAATGCCATTTAT 540

Qy        541 AACTTGTGATGAGTTCAATGGTGTTCCTTCGTACATGAAATCCCGCTTAACCTATAATCA 600
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        541 AACTTGTGATGAGTTCAATGGTGTTCCTTCGTACATGAAATCCCGCTTAACCTATAATCA 600

Qy        601 AATTAATGATGTTATTAAAGAAATCAACAAGGCAGTAATTAGTAAATATAAAATCCTACA 660
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
```

```
Db        601 AATTAATGATGTTATTAAAGAAATCAACAAGGCAGTAATTAGTAAATATAAAATCCTACA 660

Qy        661 TCAGCCAAAAAAGTCTATGAATTCTGTGACCAGAAATCTCTATCACAGATTTATTGATGA 720
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        661 TCAGCCAAAAAAGTCTATGAATTCTGTGACCAGAAATCTCTATCACAGATTTATTGATGA 720

Qy        721 AGAAACGAAGGATACCAAAGGTCGTTATTTTATAGTGGAAGCTGACATAAAGGAGTTCAC 780
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        721 AGAAACGAAGGATACCAAAGGTCGTTATTTTATAGTGGAAGCTGACATAAAGGAGTTCAC 780

Qy        781 AACTTTGAAAGCTGACAAGAAGTTTCACGTGTTACTGAATATTTTACGACACTGCCGGAG 840
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        781 AACTTTGAAAGCTGACAAGAAGTTTCACGTGTTACTGAATATTTTACGACACTGCCGGAG 840

Qy        841 GCTATCAGAGGTCCGAGGGGGAGGACTTACTCGTTATGTTATAACCTGAGTCCCTTGTGA 900
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        841 GCTATCAGAGGTCCGAGGGGGAGGACTTACTCGTTATGTTATAACCTGAGTCCCTTGTGA 900

Qy        901 ACTTTTGAACATACCAACAGGGTATAGAGTATAGAGGCTATTTCTATAATTTTCTTATAT 960
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        901 ACTTTTGAACATACCAACAGGGTATAGAGTATAGAGGCTATTTCTATAATTTTCTTATAT 960

Qy        961 ATAATTTTTTTAACTTTTAATCTTTTTTGTTTCCTTTTTTTTTTTTTTTGAGACAGGATCT 1020
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        961 ATAATTTTTTTAACTTTTAATCTTTTTTGTTTCCTTTTTTTTTTTTTTTGAGACAGGATCT 1020

Qy       1021 TGCTTTGTCACCCAGGGGCTTGCTTTGTCACGCAGGCTAGAGTGCAGTGGCGCAAACATG 1080
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1021 TGCTTTGTCACCCAGGGGCTTGCTTTGTCACGCAGGCTAGAGTGCAGTGGCGCAAACATG 1080

Qy       1081 GCTCACTGCAGCCTCAACCTCCCAGGCTCAAGTGATCCTCCCACCTCAGCCCCCTGAATG 1140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1081 GCTCACTGCAGCCTCAACCTCCCAGGCTCAAGTGATCCTCCCACCTCAGCCCCCTGAATG 1140

Qy       1141 GCTGGGACTACAAGCGTGCGCCACCATGCCTGGCTAATTTTTGTATTTTTTGGAGAGATG 1200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1141 GCTGGGACTACAAGCGTGCGCCACCATGCCTGGCTAATTTTTGTATTTTTTGGAGAGATG 1200

Qy       1201 GGGTTTCACCATGTTGCCTAGGCTGGTCTTGAGCTCCTGAGCTCAAACAATCCACCCTCC 1260
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1201 GGGTTTCACCATGTTGCCTAGGCTGGTCTTGAGCTCCTGAGCTCAAACAATCCACCCTCC 1260

Qy       1261 TCAGCCTCCCAAAGTGCTGGGATTACAGGCTTGAGCCACCACACCTGACCTATTCTTGTT 1320
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1261 TCAGCCTCCCAAAGTGCTGGGATTACAGGCTTGAGCCACCACACCTGACCTATTCTTGTT 1320

Qy       1321 TCTTATAAAAATAAAACTTTTTTGGATAAAGCTTATTTCTTGTTTTTTTCTTTTTCTTTT 1380
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1321 TCTTATAAAAATAAAACTTTTTTGGATAAAGCTTATTTCTTGTTTTTTTCTTTTTCTTTT 1380

Qy       1381 TTTTTTTTTTTCGAGACTCCATCTCAGAAAAAAAGAAAAAAAGACTGGGTACAGATGTGA 1440
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1381 TTTTTTTTTTTCGAGACTCCATCTCAGAAAAAAAGAAAAAAAGACTGGGTACAGATGTGA 1440

Qy       1441 TATTGGAAGAAAAAGATCAAGCTGATGAGGTTAGGATACCCAGGCCCTTTGGACTTAAAG 1500
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1441 TATTGGAAGAAAAAGATCAAGCTGATGAGGTTAGGATACCCAGGCCCTTTGGACTTAAAG 1500

Qy       1501 ATCACTAGTGTCTAAATTCCATCGATGGCATTTCAGTCTATAGGTAAACTTCCTGGAAGC 1560
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1501 ATCACTAGTGTCTAAATTCCATCGATGGCATTTCAGTCTATAGGTAAACTTCCTGGAAGC 1560

Qy       1561 TGGATTTGGAGACAGTTTATCATCTGATTATTGGGCTTTCGTATAGGTCCTTAGGGAGCA 1620
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1561 TGGATTTGGAGACAGTTTATCATCTGATTATTGGGCTTTCGTATAGGTCCTTAGGGAGCA 1620

Qy       1621 GCTTACCTGAAATGCATTTAGTGTACACCAGTCTGTAAACTTCAACCTGTAATGAAAGTG 1680
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1621 GCTTACCTGAAATGCATTTAGTGTACACCAGTCTGTAAACTTCAACCTGTAATGAAAGTG 1680
```

```
Qy       1681 TAATAAATGTACATTGAGTTGATGTGATAATGTGATATAATAAGAAATATATATTTGATC 1740
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1681 TAATAAATGTACATTGAGTTGATGTGATAATGTGATATAATAAGAAATATATATTTGATC 1740

Qy       1741 TTCCTATCTAGTTCCTTGTTCAGAGCTCCTAAAACCCTTGTAATTTCCAAAGTGATGGAG 1800
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1741 TTCCTATCTAGTTCCTTGTTCAGAGCTCCTAAAACCCTTGTAATTTCCAAAGTGATGGAG 1800

Qy       1801 TACATCTTTTGTTCTAGTATTTGGTCTTTGACCCCAGTTCCTGACACAAAGCTCCTAAAT 1860
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1801 TACATCTTTTGTTCTAGTATTTGGTCTTTGACCCCAGTTCCTGACACAAAGCTCCTAAAT 1860

Qy       1861 TCCTTTAAATTTCCCAGTGATAGGAGAATTTTTTGTTCTAATGAGGTCACTCTTGATGGG 1920
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1861 TCCTTTAAATTTCCCAGTGATAGGAGAATTTTTTGTTCTAATGAGGTCACTCTTGATGGG 1920

Qy       1921 CACCTGGATAACTCAGGATGGGGGCTGCTCACAAAGACCACATCATGATTGGAAGTTTCA 1980
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1921 CACCTGGATAACTCAGGATGGGGGCTGCTCACAAAGACCACATCATGATTGGAAGTTTCA 1980

Qy       1981 AACTTTCAGTCTCCCACCTCCAGAGAGGGGAGAGGGGCTGGAGATTTGTGTCAATAATCC 2040
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1981 AACTTTCAGTCTCCCACCTCCAGAGAGGGGAGAGGGGCTGGAGATTTGTGTCAATAATCC 2040

Qy       2041 ATCAGGCCTATGTCAACAAGACATAATCCGTTAACTATGGAGTTCAGGGAGCTTCAGGGT 2100
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2041 ATCAGGCCTATGTCAACAAGACATAATCCGTTAACTATGGAGTTCAGGGAGCTTCAGGGT 2100

Qy       2101 TGGCAAACATTTTGATGTGCCAGGAAGGTGACGCACTCCAGCTTTATGAAGTCAGCAAGT 2160
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2101 TGGCAAACATTTTGATGTGCCAGGAAGGTGACGCACTCCAGCTTTATGAAGTCAGCAAGT 2160

Qy       2161 CCTGTGCTCAGGATGCTTYTGGACCTTGCCCCAGGTACCCCTTCATGTGGCTGTTGTTCA 2220
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2161 CCTGTGCTCAGGATGCTTYTGGACCTTGCCCCAGGTACCCCTTCATGTGGCTGTTGTTCA 2220

Qy       2221 TCTGTATCCTTTGTAGTAGCCTTAAAATAAACTGTTA 2257
             |||||||||||||||||||||||||||||||||||||
Db       2221 TCTGTATCCTTTGTAGTAGCCTTAAAATAAACTGTTA 2257
```

<!--EndFragment-->

WEST Search History

Hide Items | Restore | Clear | Cancel

DATE: Friday, July 20, 2007

Hide?	Set Name	Query	Hit Count
	DB=PGPB,USPT,USOC,EPAB,DWPI; PLUR=YES; OP=ADJ		
☐	L1	(L762P or L550S or L587S or L984P or L552S OR L763P)	3823
☐	L2	L1 and (multiplex near PCR)	2
☐	L3	L1 and (real-time PCR)	48
☐	L4	L1 and gene expression	117
☐	L5	L4 and (cancer near marker)	6
☐	L6	L4 and cancer	104
☐	L7	L6 and predetermined cut off	40
☐	L8	L7 and (hybridization or amplification)	40
☐	L9	20020052329 or 20020168637 or 20030103994 or 20020172952 or 2002017669 or 20020099012	13
☐	L10	L9 and multiplex	0
☐	L11	L10 and real time	0
☐	L12	L9 and real time	6
☐	L13	L9 and multiple$	6

END OF SEARCH HISTORY

<!--StartFragment-->RESULT 5
ABU66397
ID ABU66397 standard; protein; 200 AA.
XX
AC ABU66397;
XX
DT 22-MAY-2003 (first entry)
XX
DE Lung cancer therapyand diagnosis associated protein #21.
XX
KW Lung cancer; cytostatic; vaccine; gene therapy; cancer.
XX
OS Homo sapiens.
XX
PN US2002172952-A1.
XX
PD 21-NOV-2002.
XX
PF 10-JUL-2001; 2001US-00902941.
XX
PR 30-JUN-1999; 99US-00346492.
PR 15-OCT-1999; 99US-00419356.
PR 17-DEC-1999; 99US-00466867.
PR 30-DEC-1999; 99US-00476300.
PR 06-MAR-2000; 2000US-00519642.
PR 22-MAR-2000; 2000US-00533077.
PR 10-APR-2000; 2000US-00546259.
PR 27-APR-2000; 2000US-00560406.
PR 05-JUN-2000; 2000US-00589184.
PR 11-JUL-2000; 2000US-00614124.
PR 29-AUG-2000; 2000US-00651563.
PR 08-SEP-2000; 2000US-00658824.
PR 26-SEP-2000; 2000US-00671325.
PR 06-OCT-2000; 2000US-00677419.
PR 30-OCT-2000; 2000US-00702705.
PR 13-DEC-2000; 2000US-00736457.
PR 03-MAY-2001; 2001US-00849626.
XX
PA (CORI-) CORIXA CORP.
XX
PI Henderson RA, Wang T, Watanabe Y, Johnson JC, Retter MW;
PI Durham M, Carter D, Fanger GR, Vedvick TS, Bangur CS, Mcnabb A;
XX
DR WPI; 2003-328427/31.
XX
PT New polynucleotide, useful for preparing a composition for treating or
PT inhibiting development of cancer, e.g. lung cancer.
XX
PS Example 1; SEQ ID NO 789; 82pp; English.
XX
CC The invention describes an isolated polynucleotide comprising one of 32
CC sequences, complement or degenerate variants of them. The polynucleotide
CC is useful for preparing a composition e.g. a vaccine or for gene therapy,
CC for treating or inhibiting development of cancer, e.g. lung cancer. This
CC sequence represents a polypeptide associated with the compositions and
CC methods for the therapy and diagnosis of lung cancer
XX
SQ Sequence 200 AA;

Query Match 100.0%; Score 1066; DB 6; Length 200;
Best Local Similarity 100.0%; Pred. No. 1e-90;
Matches 200; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy          1 MAKGDPKKPKGKMSAYAFFVQTCREEHKKKNPEVPVNFAEFSKKCSERWKTMSGKEKSKF 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAKGDPKKPKGKMSAYAFFVQTCREEHKKKNPEVPVNFAEFSKKCSERWKTMSGKEKSKF 60

Qy         61 DEMAKADKVRYDREMKDYGPAKGGKKKKDPNAPKRPPSGFFLFCSEFRPKIKSTNPGISI 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
```

```
Db          61 DEMAKADKVRYDREMKDYGPAKGGKKKKDPNAPKRPPSGFFLFCSEFRPKIKSTNPGISI 120

Qy         121 GDVAKKLGEMWNNLNDSEKQPYITKAAKLKEKYEKDVADYKSKGKFDGAKGPAKVARKKV 180
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         121 GDVAKKLGEMWNNLNDSEKQPYITKAAKLKEKYEKDVADYKSKGKFDGAKGPAKVARKKV 180

Qy         181 EEEDEEEEEEEEEEEEEDE 200
               ||||||||||||||||||
Db         181 EEEDEEEEEEEEEEEEEDE 200
<!--EndFragment-->
```

<!--StartFragment-->Homo sapiens.
XX
PN US2003064947-A1.
XX
PD 03-APR-2003.
XX
PF 30-NOV-2001; 2001US-00007700.
XX
PR 18-MAR-1998; 98US-00040802.
PR 27-JUL-1998; 98US-00123912.
PR 22-DEC-1998; 98US-00221107.
PR 02-APR-1999; 99US-00285479.
PR 17-DEC-1999; 99US-00466396.
PR 30-DEC-1999; 99US-00476496.
PR 10-JAN-2000; 2000US-00480884.
PR 22-FEB-2000; 2000US-00510376.
PR 04-APR-2000; 2000US-00542615.
PR 28-JUN-2000; 2000US-00606421.
PR 02-AUG-2000; 2000US-00630940.
PR 21-AUG-2000; 2000US-00643597.
PR 15-SEP-2000; 2000US-00662786.
PR 09-OCT-2000; 2000US-00685696.
PR 12-DEC-2000; 2000US-00735705.
PR 07-MAY-2001; 2001US-00850716.
PR 28-JUN-2001; 2001US-00897778.
XX
PA (CORI-) CORIXA CORP.
XX
PI Wang T, Wang A, Skeiky YAW, Li SX, Kalos MD, Henderson RA;
PI Mcneill PD, Fanger N, Retter MW, Durham M, Fanger GR, Vedvick TS;
PI Carter D, Watanabe Y, Peckham DW, Cai F, Foy TM;
XX
DR WPI; 2003-540798/51.
DR N-PSDB; ADA28250.
XX
PT New isolated polynucleotides and polypeptides useful for diagnosing,
PT preventing and/or treating cancer, particularly lung cancer.
XX
PS Example 3; Page 160-162; 296pp; English.
XX
CC The invention describes isolated polynucleotides and polypeptides useful
CC for diagnosing, preventing and/or treating cancer, particularly lung
CC cancer. A new isolated polynucleotide comprises: any of the 22 fully
CC defined nucleotide sequences (e.g. 1012, 900 or 2773 bp) given in the
CC specification; complements of the nucleotide sequences cited above; at
CC least 10 contiguous residues of the nucleotide sequences cited above; a
CC sequence that hybridise to any of the nucleotide sequences under highly
CC stringent conditions; a sequence that is at least 75 or 90% identical to
CC the above nucleotide sequences; or degenerate variants of the above
CC nucleotide sequences. The composition and methods are useful in
CC diagnosing, preventing and/or treating cancer, particularly lung cancer,
CC in gene therapy and in vaccines. This is the amino acid sequence encoded
CC by a human lung tumour cDNA isolated from a lung squamous cell carcinoma
CC that may be useful in the diagnosis and treatment of lung cancer and
CC other disorders.
XX
SQ Sequence 943 AA;

Query Match 100.0%; Score 4942; DB 7; Length 943;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 943; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy          1 MTQRSIAGPICNLKFVTLLVALSSELPFLGAGVQLQDNGYNGLLIAINPQVPENQNLISN 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MTQRSIAGPICNLKFVTLLVALSSELPFLGAGVQLQDNGYNGLLIAINPQVPENQNLISN 60

Qy         61 IKEMITEASFYLFNATKRRVFFRNIKILIPATWKANNNSKIKQESYEKANVIVTDWYGAH 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 IKEMITEASFYLFNATKRRVFFRNIKILIPATWKANNNSKIKQESYEKANVIVTDWYGAH 120
```

```
Qy        121 GDDPYTLQYRGCGKEGKYIHFTPNFLLNDNLTAGYGSRGRVFVHEWAHLRWGVFDEYNND 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 GDDPYTLQYRGCGKEGKYIHFTPNFLLNDNLTAGYGSRGRVFVHEWAHLRWGVFDEYNND 180

Qy        181 KPFYINGQNQIKVTRCSSDITGIFVCEKGPCPQENCIISKLFKEGCTFIYNSTQNATASI 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 KPFYINGQNQIKVTRCSSDITGIFVCEKGPCPQENCIISKLFKEGCTFIYNSTQNATASI 240

Qy        241 MFMQSLSSVVEFCNASTHNQEAPNLQNQMCSLRSAWDVITDSADFHHSFPMNGTELPPPP 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 MFMQSLSSVVEFCNASTHNQEAPNLQNQMCSLRSAWDVITDSADFHHSFPMNGTELPPPP 300

Qy        301 TFSLVEAGDKVVCLVLDVSSKMAEADRLLQLQQAAEFYLMQIVEIHTFVGIASFDSKGEI 360
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 TFSLVEAGDKVVCLVLDVSSKMAEADRLLQLQQAAEFYLMQIVEIHTFVGIASFDSKGEI 360

Qy        361 RAQLHQINSNDDRKLLVSYLPTTVSAKTDISICSGLKKGFEVVEKLNGKAYGSVMILVTS 420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        361 RAQLHQINSNDDRKLLVSYLPTTVSAKTDISICSGLKKGFEVVEKLNGKAYGSVMILVTS 420

Qy        421 GDDKLLGNCLPTVLSSGSTIHSIALGSSAAPNLEELSRLTGGLKFFVPDISNSNSMIDAF 480
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        421 GDDKLLGNCLPTVLSSGSTIHSIALGSSAAPNLEELSRLTGGLKFFVPDISNSNSMIDAF 480

Qy        481 SRISSGTGDIFQQHIQLESTGENVKPHHQLKNTVTVDNTVGNDTMFLVTWQASGPPEIIL 540
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        481 SRISSGTGDIFQQHIQLESTGENVKPHHQLKNTVTVDNTVGNDTMFLVTWQASGPPEIIL 540

Qy        541 FDPDGRKYYTNNFITNLTFRTASLWIPGTAKPGHWTYTLNNTHHSLQALKVTVTSRASNS 600
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        541 FDPDGRKYYTNNFITNLTFRTASLWIPGTAKPGHWTYTLNNTHHSLQALKVTVTSRASNS 600

Qy        601 AVPPATVEAFVERDSLHFPHPVMIYANVKQGFYPILNATVTATVEPETGDPVTLRLLDDG 660
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        601 AVPPATVEAFVERDSLHFPHPVMIYANVKQGFYPILNATVTATVEPETGDPVTLRLLDDG 660

Qy        661 AGADVIKNDGIYSRYFFSFAANGRYSLKVHVNHSPSISTPAHSIPGSHAMYVPGYTANGN 720
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        661 AGADVIKNDGIYSRYFFSFAANGRYSLKVHVNHSPSISTPAHSIPGSHAMYVPGYTANGN 720

Qy        721 IQMNAPRKSVGRNEEERKWGFSRVSSGGSFSVLGVPAGPHPDVFPPCKIIDLEAVKVEEE 780
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        721 IQMNAPRKSVGRNEEERKWGFSRVSSGGSFSVLGVPAGPHPDVFPPCKIIDLEAVKVEEE 780

Qy        781 LTLSWTAPGEDFDQGQATSYEIRMSKSLQNIQDDFNNAILVNTSKRNPQQAGIREIFTFS 840
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        781 LTLSWTAPGEDFDQGQATSYEIRMSKSLQNIQDDFNNAILVNTSKRNPQQAGIREIFTFS 840

Qy        841 PQISTNGPEHQPNGETHESHRIYVAIRAMDRNSLQSAVSNIAQAPLFIPPNSDPVPARDY 900
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        841 PQISTNGPEHQPNGETHESHRIYVAIRAMDRNSLQSAVSNIAQAPLFIPPNSDPVPARDY 900

Qy        901 LILKGVLTAMGLIGIICLIIVVTHHTLSRKKRADKKENGTKLL 943
              |||||||||||||||||||||||||||||||||||||||||||
Db        901 LILKGVLTAMGLIGIICLIIVVTHHTLSRKKRADKKENGTKLL 943
```

<!--EndFragment-->

<!--StartFragment-->RESULT 1
US-09-643-597-161
; Sequence 161, Application US/09643597
; Patent No. 6426072
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 161
;   LENGTH: 943
;   TYPE: PRT
;   ORGANISM: Homo sapien
US-09-643-597-161

  Query Match   100.0%; Score 4942; DB 2; Length 943;
  Best Local Similarity   100.0%; Pred. No. 0;
  Matches 943; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

```
Qy          1 MTQRSIAGPICNLKFVTLLVALSSELPFLGAGVQLQDNGYNGLLIAINPQVPENQNLISN 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MTQRSIAGPICNLKFVTLLVALSSELPFLGAGVQLQDNGYNGLLIAINPQVPENQNLISN 60

Qy         61 IKEMITEASFYLFNATKRRVFFRNIKILIPATWKANNNSKIKQESYEKANVIVTDWYGAH 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 IKEMITEASFYLFNATKRRVFFRNIKILIPATWKANNNSKIKQESYEKANVIVTDWYGAH 120

Qy        121 GDDPYTLQYRGCGKEGKYIHFTPNFLLNDNLTAGYGSRGRVFVHEWAHLRWGVFDEYNND 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 GDDPYTLQYRGCGKEGKYIHFTPNFLLNDNLTAGYGSRGRVFVHEWAHLRWGVFDEYNND 180

Qy        181 KPFYINGQNQIKVTRCSSDITGIFVCEKGPCPQENCIISKLFKEGCTFIYNSTQNATASI 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 KPFYINGQNQIKVTRCSSDITGIFVCEKGPCPQENCIISKLFKEGCTFIYNSTQNATASI 240

Qy        241 MFMQSLSSVVEFCNASTHNQEAPNLQNQMCSLRSAWDVITDSADFHHSFPMNGTELPPPP 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 MFMQSLSSVVEFCNASTHNQEAPNLQNQMCSLRSAWDVITDSADFHHSFPMNGTELPPPP 300

Qy        301 TFSLVEAGDKVVCLVLDVSSKMAEADRLLQLQQAAEFYLMQIVEIHTFVGIASFDSKGEI 360
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 TFSLVEAGDKVVCLVLDVSSKMAEADRLLQLQQAAEFYLMQIVEIHTFVGIASFDSKGEI 360

Qy        361 RAQLHQINSNDDRKLLVSYLPTTVSAKTDISICSGLKKGFEVVEKLNGKAYGSVMILVTS 420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        361 RAQLHQINSNDDRKLLVSYLPTTVSAKTDISICSGLKKGFEVVEKLNGKAYGSVMILVTS 420

Qy        421 GDDKLLGNCLPTVLSSGSTIHSIALGSSAAPNLEELSRLTGGLKFFVPDISNSNSMIDAF 480
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        421 GDDKLLGNCLPTVLSSGSTIHSIALGSSAAPNLEELSRLTGGLKFFVPDISNSNSMIDAF 480

Qy        481 SRISSGTGDIFQQHIQLESTGENVKPHHQLKNTVTVDNTVGNDTMFLVTWQASGPPEIIL 540
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        481 SRISSGTGDIFQQHIQLESTGENVKPHHQLKNTVTVDNTVGNDTMFLVTWQASGPPEIIL 540
```

```
Qy        541 FDPDGRKYYTNNFITNLTFRTASLWIPGTAKPGHWTYTLNNTHHSLQALKVTVTSRASNS 600
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        541 FDPDGRKYYTNNFITNLTFRTASLWIPGTAKPGHWTYTLNNTHHSLQALKVTVTSRASNS 600

Qy        601 AVPPATVEAFVERDSLHFPHPVMIYANVKQGFYPILNATVTATVEPETGDPVTLRLLDDG 660
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        601 AVPPATVEAFVERDSLHFPHPVMIYANVKQGFYPILNATVTATVEPETGDPVTLRLLDDG 660

Qy        661 AGADVIKNDGIYSRYFFSFAANGRYSLKVHVNHSPSISTPAHSIPGSHAMYVPGYTANGN 720
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        661 AGADVIKNDGIYSRYFFSFAANGRYSLKVHVNHSPSISTPAHSIPGSHAMYVPGYTANGN 720

Qy        721 IQMNAPRKSVGRNEEERKWGFSRVSSGGSFSVLGVPAGPHPDVFPPCKIIDLEAVKVEEE 780
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        721 IQMNAPRKSVGRNEEERKWGFSRVSSGGSFSVLGVPAGPHPDVFPPCKIIDLEAVKVEEE 780

Qy        781 LTLSWTAPGEDFDQGQATSYEIRMSKSLQNIQDDFNNAILVNTSKRNPQQAGIREIFTFS 840
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        781 LTLSWTAPGEDFDQGQATSYEIRMSKSLQNIQDDFNNAILVNTSKRNPQQAGIREIFTFS 840

Qy        841 PQISTNGPEHQPNGETHESHRIYVAIRAMDRNSLQSAVSNIAQAPLFIPPNSDPVPARDY 900
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        841 PQISTNGPEHQPNGETHESHRIYVAIRAMDRNSLQSAVSNIAQAPLFIPPNSDPVPARDY 900

Qy        901 LILKGVLTAMGLIGIICLIIVVTHHTLSRKKRADKKENGTKLL 943
              |||||||||||||||||||||||||||||||||||||||||||
Db        901 LILKGVLTAMGLIGIICLIIVVTHHTLSRKKRADKKENGTKLL 943
```

<!--EndFragment-->

<!--StartFragment-->RESULT 1
US-09-735-705-161
; Sequence 161, Application US/09735705
; Patent No. US20020052329A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Fanger, Neil
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C14
; CURRENT APPLICATION NUMBER: US/09/735,705
; CURRENT FILING DATE: 2000-12-12
; NUMBER OF SEQ ID NOS: 419
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 161
; LENGTH: 943
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-735-705-161

Query Match 100.0%; Score 4942; DB 3; Length 943;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 943; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy          1 MTQRSIAGPICNLKFVTLLVALSSELPFLGAGVQLQDNGYNGLLIAINPQVPENQNLISN 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MTQRSIAGPICNLKFVTLLVALSSELPFLGAGVQLQDNGYNGLLIAINPQVPENQNLISN 60

Qy         61 IKEMITEASFYLFNATKRRVFFRNIKILIPATWKANNNSKIKQESYEKANVIVTDWYGAH 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 IKEMITEASFYLFNATKRRVFFRNIKILIPATWKANNNSKIKQESYEKANVIVTDWYGAH 120

Qy        121 GDDPYTLQYRGCGKEGKYIHFTPNFLLNDNLTAGYGSRGRVFVHEWAHLRWGVFDEYNND 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 GDDPYTLQYRGCGKEGKYIHFTPNFLLNDNLTAGYGSRGRVFVHEWAHLRWGVFDEYNND 180

Qy        181 KPFYINGQNQIKVTRCSSDITGIFVCEKGPCPQENCIISKLFKEGCTFIYNSTQNATASI 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 KPFYINGQNQIKVTRCSSDITGIFVCEKGPCPQENCIISKLFKEGCTFIYNSTQNATASI 240

Qy        241 MFMQSLSSVVEFCNASTHNQEAPNLQNQMCSLRSAWDVITDSADFHHSFPMNGTELPPPP 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 MFMQSLSSVVEFCNASTHNQEAPNLQNQMCSLRSAWDVITDSADFHHSFPMNGTELPPPP 300

Qy        301 TFSLVEAGDKVVCLVLDVSSKMAEADRLLQLQQAAEFYLMQIVEIHTFVGIASFDSKGEI 360
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 TFSLVEAGDKVVCLVLDVSSKMAEADRLLQLQQAAEFYLMQIVEIHTFVGIASFDSKGEI 360

Qy        361 RAQLHQINSNDDRKLLVSYLPTTVSAKTDISICSGLKKGFEVVEKLNGKAYGSVMILVTS 420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        361 RAQLHQINSNDDRKLLVSYLPTTVSAKTDISICSGLKKGFEVVEKLNGKAYGSVMILVTS 420

Qy        421 GDDKLLGNCLPTVLSSGSTIHSIALGSSAAPNLEELSRLTGGLKFFVPDISNSNSMIDAF 480
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        421 GDDKLLGNCLPTVLSSGSTIHSIALGSSAAPNLEELSRLTGGLKFFVPDISNSNSMIDAF 480

Qy        481 SRISSGTGDIFQQHIQLESTGENVKPHHQLKNTVTVDNTVGNDTMFLVTWQASGPPEIIL 540
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        481 SRISSGTGDIFQQHIQLESTGENVKPHHQLKNTVTVDNTVGNDTMFLVTWQASGPPEIIL 540
```

```
Qy        541 FDPDGRKYYTNNFITNLTFRTASLWIPGTAKPGHWTYTLNNTHHSLQALKVTVTSRASNS 600
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        541 FDPDGRKYYTNNFITNLTFRTASLWIPGTAKPGHWTYTLNNTHHSLQALKVTVTSRASNS 600

Qy        601 AVPPATVEAFVERDSLHFPHPVMIYANVKQGFYPILNATVTATVEPETGDPVTLRLLDDG 660
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        601 AVPPATVEAFVERDSLHFPHPVMIYANVKQGFYPILNATVTATVEPETGDPVTLRLLDDG 660

Qy        661 AGADVIKNDGIYSRYFFSFAANGRYSLKVHVNHSPSISTPAHSIPGSHAMYVPGYTANGN 720
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        661 AGADVIKNDGIYSRYFFSFAANGRYSLKVHVNHSPSISTPAHSIPGSHAMYVPGYTANGN 720

Qy        721 IQMNAPRKSVGRNEEERKWGFSRVSSGGSFSVLGVPAGPHPDVFPPCKIIDLEAVKVEEE 780
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        721 IQMNAPRKSVGRNEEERKWGFSRVSSGGSFSVLGVPAGPHPDVFPPCKIIDLEAVKVEEE 780

Qy        781 LTLSWTAPGEDFDQGQATSYEIRMSKSLQNIQDDFNNAILVNTSKRNPQQAGIREIFTFS 840
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        781 LTLSWTAPGEDFDQGQATSYEIRMSKSLQNIQDDFNNAILVNTSKRNPQQAGIREIFTFS 840

Qy        841 PQISTNGPEHQPNGETHESHRIYVAIRAMDRNSLQSAVSNIAQAPLFIPPNSDPVPARDY 900
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        841 PQISTNGPEHQPNGETHESHRIYVAIRAMDRNSLQSAVSNIAQAPLFIPPNSDPVPARDY 900

Qy        901 LILKGVLTAMGLIGIICLIIVVTHHTLSRKKRADKKENGTKLL 943
              |||||||||||||||||||||||||||||||||||||||||||
Db        901 LILKGVLTAMGLIGIICLIIVVTHHTLSRKKRADKKENGTKLL 943
```

<!--EndFragment-->

WEST Search History

Hide Items | Restore | Clear | Cancel

DATE: Friday, July 20, 2007

Hide?	Set Name	Query	Hit Count
	DB=PGPB,USPT,USOC,EPAB,DWPI; PLUR=YES; OP=ADJ		
☐	L1	(L762P or L550S or L587S or L984P or L552S OR L763P)	3823
☐	L2	L1 and (multiplex near PCR)	2
☐	L3	l1 and (real-time PCR)	48
☐	L4	l1 and gene expression	117
☐	L5	L4 and (cancer near marker)	6
☐	L6	l4 and cancer	104
☐	L7	L6 and predetermined cut off	40
☐	L8	L7 and (hybridization or amplification)	40
☐	L9	20020052329 or 20020168637 or 20030103994 or 20020172952 or 2002017669 or 20020099012	13
☐	L10	L9 and multiplex	0
☐	L11	L10 and real time	0
☐	L12	L9 and real time	6
☐	L13	L9 and multiple$	6

END OF SEARCH HISTORY

WEST Search History

Hide Items | Restore | Clear | Cancel

DATE: Friday, July 20, 2007

Hide?	Set Name	Query	Hit Count
	DB=PGPB,USPT,USOC,EPAB,DWPI; PLUR=YES; OP=ADJ		
☐	L1	(L762P or L550S or L587S or L984P or L552S OR L763P)	3823
☐	L2	L1 and (multiplex near PCR)	2
☐	L3	l1 and (real-time PCR)	48
☐	L4	l1 and gene expression	117
☐	L5	L4 and (cancer near marker)	6
☐	L6	l4 and cancer	104
☐	L7	L6 and predetermined cut off	40
☐	L8	L7 and (hybridization or amplification)	40
☐	L9	20020052329 or 20020168637 or 20030103994 or 20020172952 or 2002017669 or 20020099012	13
☐	L10	L9 and multiplex	0
☐	L11	L10 and real time	0
☐	L12	L9 and real time	6
☐	L13	L9 and multiple$	6

END OF SEARCH HISTORY